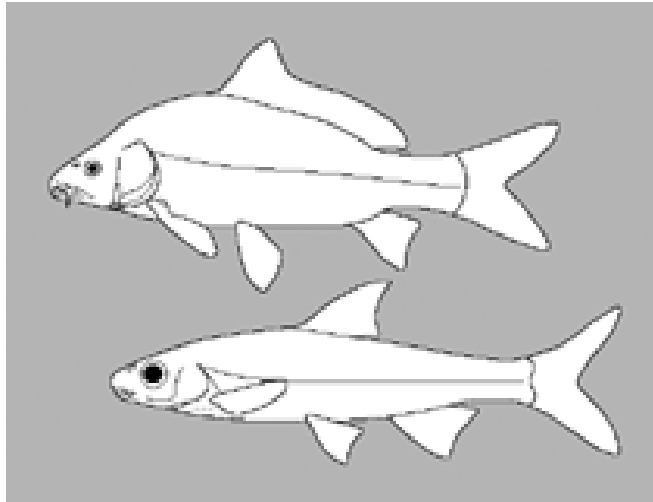


Cyprinus dai

Ecological Risk Screening Summary

Web Version – 10/01/2012



No image available for this species; drawing shows typical fish in this Family (Froese and Pauly 2011).

1 Native Range, and Status in the United States

Native Range

From Ngyuen et al. (2011):

“The species is known from Black River (Sông Đà) drainage in northern Viet Nam (Lai Chau and Hoa Binh provinces) only.”

Status in the United States

No known nonindigenous occurrences.

Means of Introductions to the United States

No known means of introductions.

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

From ITIS (2011):

Kingdom Animalia
Phylum Chordata
Subphylum Vertebrata
Superclass Osteichthyes
Class Actinopterygii
Subclass Neopterygii
Infraclass Teleostei
Superorder Ostariophysi
Order Cypriniformes
Superfamily Cyprinoidea
Family Cyprinidae
Genus *Cyprinus*
Species *Cyprinus dai*

Taxonomic Standing: valid

Environment

From Froese and Pauly (2011): “Freshwater; benthopelagic”

Climate/Range

From Froese and Pauly (2011): “Tropical”

Distribution

From Froese and Pauly (2011):

“Asia: Viet Nam. Occurrence data: Lai Chau, Vietnam.”

Biology

From Ngyuen et al. (2011):

“This species lives in the middle and lower waters of streams with rocky substrate. Their food includes larvae of mosquito, larvae of insects, decapoda, mollusca.”

Human uses

None reported.

Diseases

None reported.

Threat to humans

From Froese and Pauly (2011): “Harmless”

3 Impacts of Introductions

No known impacts of introductions

4 Global Distribution



Figure 1 (above). *C. dai* occurs in Lai Chau, Vietnam (Ngyuen et al. 2011). Map from Google Earth (2011).

5 Distribution within the United States

No known distribution within the United States

6 CLIMATCH

Summary of Climate Matching Analysis

The climate match (Australian Bureau of Rural Sciences 2011; 16 climate variables; Euclidean Distance) was low throughout the United States except for Florida, coastal Georgia and South Carolina where it was medium. Climate 6 match indicated that the Continental U.S. has a low climate match. The range for a low climate match is 0.0 – 0.005; the climate match for *Cyprinus dai* is 0.003.

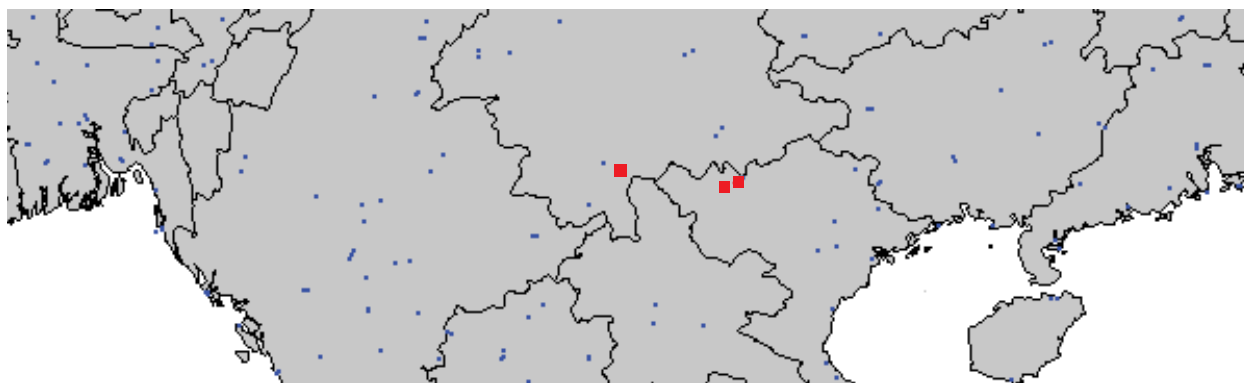


Figure 2 (above). CLIMATCH (Australian Bureau of Rural Sciences 2011) source map showing weather stations selected as source locations (red) and non-source locations (blue) for *Cyprinus dai* climate matching. Based on occurrence information from Ngyuen et al. (2011).

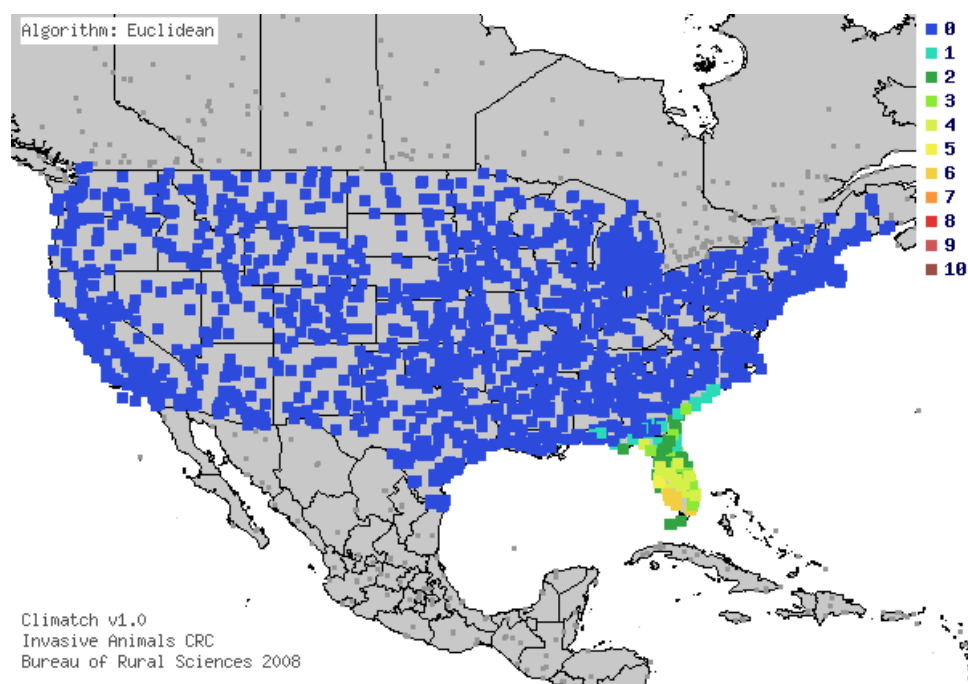


Figure 3 (above). Map of CLIMATCH (Australian Bureau of Rural Sciences 2011) climate matches for *Cyprinus dai* in the continental United States based on source locations reported by Ngyuen et al. (2011). 0= Lowest match, 10=Highest match.

Table 1 (below). CLIMATCH (Australian Bureau of Rural Sciences 2011) climate match scores.

CLIMATCH Score	0	1	2	3	4	5	6	7	8	9	10
Count	1836	30	29	22	29	6	6	0	0	0	0
Climate 6 Proportion =	0.003										

7 Certainty of Assessment

Peer-reviewed literature on the biology, ecology, and distribution associated with *Cyprinus dai* as well as information on its potential invasiveness is extremely limited. More information and research on this species will be needed to strengthen the certainty of this assessment. The risk level is therefore uncertain, and the certainty of this risk is low.

8 Risk Assessment

Summary of Risk to the Continental United States

The overall risk assessment category for *Cyprinus dai* is uncertain. This species has a medium climate match in the Southeast U.S., but is low everywhere else. There is no known history of invasiveness for this species and this species is not known to have been introduced outside of its native range.

Assessment Elements

- **History of Invasiveness (Sec. 3):** Low
- **Climate Match (Sec. 6):** Low
- **Certainty of Assessment (Sec. 7):** Low
- **Overall Risk Assessment Category:** Uncertain

9 References

Note: The following references were accessed for this ERSS. References cited within quoted text but not accessed are included below in Section 10.

Australian Bureau of Rural Sciences. 2011. CLIMATCH. Available:
<http://adl.brs.gov.au:8080/Climatch> (Accessed September 2011).

Froese, R. and D. Pauly (Eds). 2011. *Cyprinus dai*. FishBase. Available:
<http://www.fishbase.us/summary/Cyprinus-dai.html> (accessed September 2011).

Google Earth. 2011. Google Earth Version 6.0.3.2197, Google Inc. (Software)]. Available:
<http://www.google.com/intl/en/earth/index.html> (Accessed September 2011).

ITIS. 2011. *Cyprinus dai*. Integrated Taxonomic Information System. Available:
http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=688952 (Accessed September 2011).

Nguyen, T.H.T., D.V. Thinh, and N.S. Van. 2011. *Cyprinus dai*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.1. <http://www.iucnredlist.org/details/166973/0> (Accessed September 28, 2012).